

## ABSTRACT

The present invention provides methods for producing hematopoietic stem cells or vascular endothelial precursor cells, wherein the methods comprise the step of separating  
5 PCLP1-positive cells from the hematopoietic tissues of an individual, and then culturing the obtained cells. PCLP1-positive cells obtained from the hematopoietic tissues of an individual can be cultured for a long time, and during culture they produce large quantities of hematopoietic stem cells or vascular endothelial precursor cells. The hematopoietic stem cells or vascular endothelial precursor cells obtainable by the present invention can be utilized for regenerative  
10 medicine.